Amendment to the Abstract:

The Abstract has been amended. A revised Abstract is attached.

ABSTRACT

~~Measurement accuracy decreases if the sensitivity of a light source or a light receiving element is degraded owing to contamination or the like.~~

~~After~~ In an optical fat measuring apparatus, after a waveguide ~~14~~ has been placed opposite a light source ~~2~~ and a light receiving section ~~3~~, a reference value for the predetermined quantity of light received ~~predetermined~~ for each light receiving section ~~3~~ is compared with the quantity of received light which has been guided from the lighted light source section ~~2~~ to the plurality of light receiving sections ~~3~~ through the waveguide ~~14~~. If the quantities of light received by a number of light receiving sections ~~3~~ are smaller than the reference value for the quantity of light received corresponding to these light receiving sections, and the number of these light receiving sections ~~3 being~~ is smaller than that of the plurality of light receiving section~~s~~ ~~3~~, the need to clean the light receiving section is displayed. If the quantities of light received by all of the plurality of light receiving

sections ~~3~~ are smaller than the reference value for the quantity of light received corresponding to these light receiving sections ~~3~~, the need to clean the light source ~~2~~ is displayed.

Respectfully submitted,

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DNC/fp

Attachment: Abstract

Dated: March 11, 2005

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The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. **18-0350** of any fees associated with this communication.

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Kathleen Libby
KATHLEEN LIBBY

ABSTRACT

In an optical fat measuring apparatus, after a waveguide has been placed opposite a light source and a light receiving section, a reference value for the predetermined quantity of light received for each light receiving section is compared with the quantity of received light which has been guided from the lighted light source section to the plurality of light receiving sections through the waveguide. If the quantities of light received by a number of light receiving sections are smaller than the reference value for the quantity of light received corresponding to these light receiving sections, and the number of these light receiving sections is smaller than that of the plurality of light receiving sections, the need to clean the light receiving section is displayed. If the quantities of light received by all of the plurality of light receiving